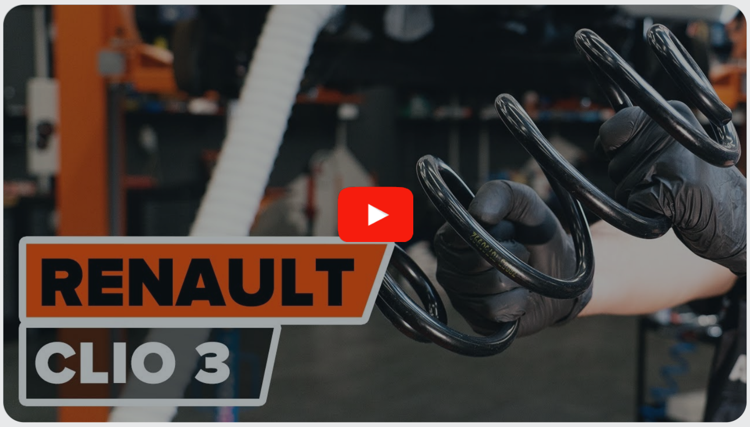
AUTODOC CLUB

How to change rear coil springs on **Renault Clio 3** – replacement guide

VIDEO TUTORIAL

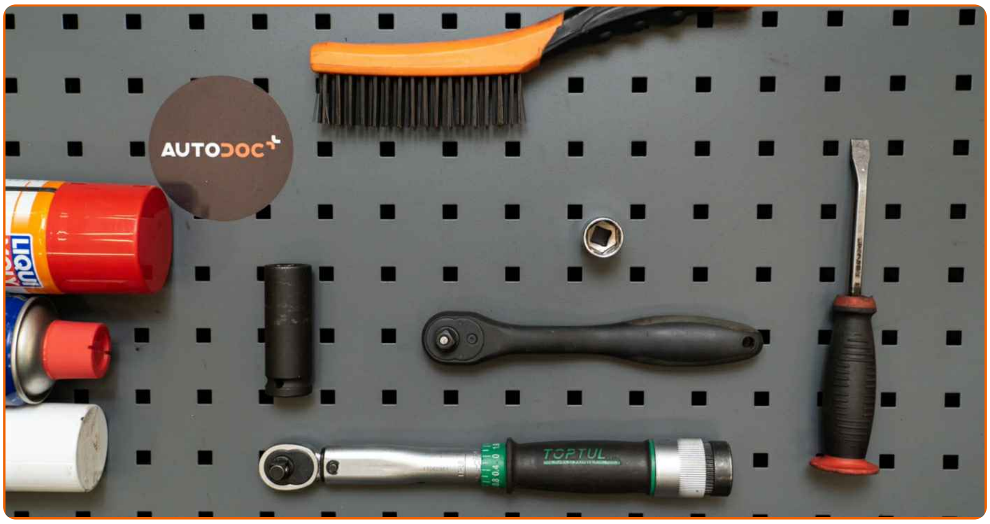


Important!

This replacement procedure can be used for:
RENAULT Modus / Grand Modus (F, JP) 1.5 dCi 75, RENAULT Modus / Grand Modus (F, JP) 1.5 dCi 90, RENAULT Modus / Grand Modus (F, JP) 1.2, RENAULT Clio III Hatchback (BR0/1, CR0/1) 1.2 16V, RENAULT Clio III Grandtour 1.2 16V, RENAULT Modus / Grand Modus (F, JP) 1.6, RENAULT Modus / Grand Modus (F, JP) 1.5 dCi, RENAULT Modus / Grand Modus (F, JP) 1.4, RENAULT Clio III Hatchback (BR0/1, CR0/1) 1.6 16V, RENAULT Clio III Hatchback (BR0/1, CR0/1) 1.4 16V, RENAULT Clio III Hatchback (BR0/1, CR0/1) 1.5 dCi, RENAULT Clio III Hatchback (BR0/1, CR0/1) 2.0 16V, RENAULT Modus / Grand Modus (F, JP) 1.2 16V, RENAULT Clio III Grandtour 1.6 16V, RENAULT Clio III Grandtour 1.5 dCi, (+ 4)

The steps may slightly vary depending on the car design.

REPLACEMENT: COIL SPRINGS – RENAULT CLIO 3. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Torque wrench
- Drive socket # 18
- Wheel impact socket #17
- Ratchet wrench
- Crow bar
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

Replacement: coil springs – Renault Clio 3. AUTODOC recommends:

- Both coil springs of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right coil springs of the rear suspension.
- Please note: all work on the car – Renault Clio 3 – should be done with the engine switched off.

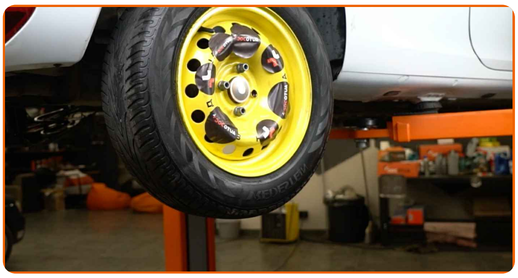
CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1. Secure the wheels with chocks.

2. Loosen the wheel mounting bolts. Use wheel impact socket #17.



3. Raise the rear of the car and secure on supports.



4 Unscrew the wheel bolts.



Replacement: coil springs – Renault Clio 3. Tip:

- To avoid injury, hold up the wheel when unscrewing the bolts.

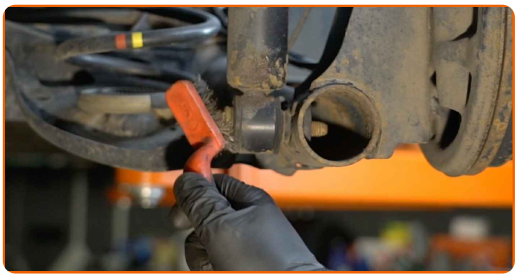
5 Remove the wheel.



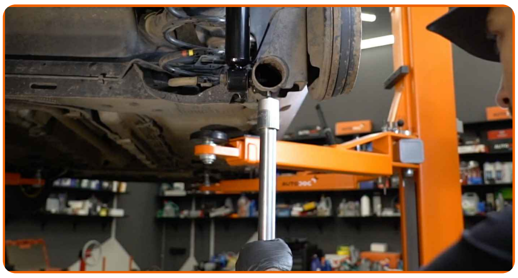
6 Disconnect the ABS sensor wiring. Use a crowbar.



7 Clean the shock absorber fasteners. Use a wire brush. Use WD-40 spray.



8 Support the rear suspension beam. Use a hydraulic transmission jack.



9 Unscrew the lower fastener of the shock absorber. Use a drive socket #18. Use a ratchet wrench.



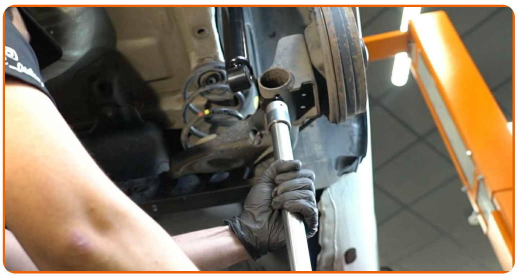
10 Remove the fastening bolt.



Replacement: coil springs – Renault Clio 3. AUTODOC experts recommend:

- To avoid injuries, hold the shock absorber when undoing the fastening bolts.

11 Remove the mounting from under the rear axle beam.



AUTODOC recommends:

- Renault Clio 3 – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

12 Support the rear suspension beam. Use a hydraulic transmission jack.



13 Unscrew the lower fastener of the shock absorber. Use a drive socket #18. Use a ratchet wrench.



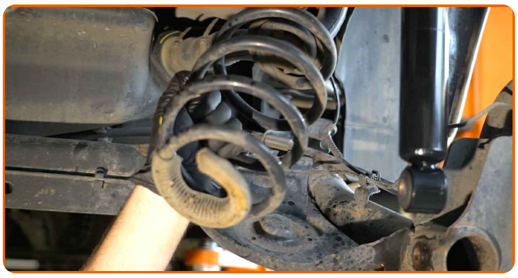
14 Remove the fastening bolt.

15 Remove the mounting from under the rear axle beam.

Replacement: coil springs – Renault Clio 3. Tip from AUTODOC experts:

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

16 Remove the spring.



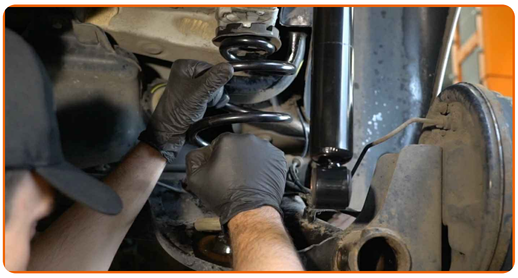
AUTODOC recommends:

- Inspect the rubber mounts of the suspension spring. Replace if necessary.

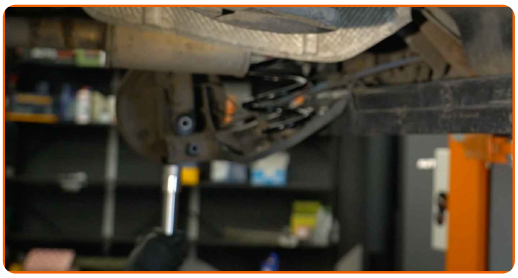
17 Clean the coil spring mounting seats. Use a wire brush. Use WD-40 spray.



18 Install the coil spring together with the rubber mounts into the mounting seats.

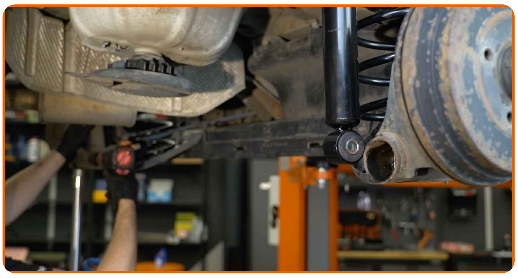


19 Support the rear suspension beam. Use a hydraulic transmission jack.



20 Install the fastening bolt.

21 Screw in the lower fastener of the shock absorber. Use a drive socket #18. Use a ratchet wrench.



22 Raise the hydraulic transmission jack by 10-15 cm.

23 Tighten the lower fastener of the shock absorber. Use a drive socket #18. Use a torque wrench. Tighten it to 105 Nm torque.

24 Remove the mounting from under the rear axle beam.

AUTODOC recommends:

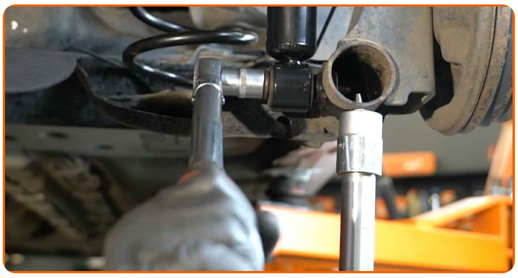
- Replacement: coil springs – Renault Clio 3. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

25 Support the rear suspension beam. Use a hydraulic transmission jack.



26 Install the fastening bolt.

27 Tighten the lower fastener of the shock absorber. Use a drive socket #18. Use a torque wrench. Tighten it to 105 Nm torque.



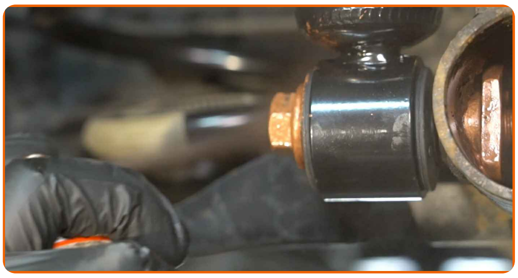
28 Remove the mounting from under the rear axle beam.



Replacement: coil springs – Renault Clio 3. AUTODOC experts recommend:

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

29 Treat the shock absorber fasteners. Use copper grease.



30 Connect the ABS sensor wiring.

31 Clean the wheel rim mounting seat. Use a wire brush.



32 Treat the surface where the wheel rim contacts the brake drum. Use copper grease.



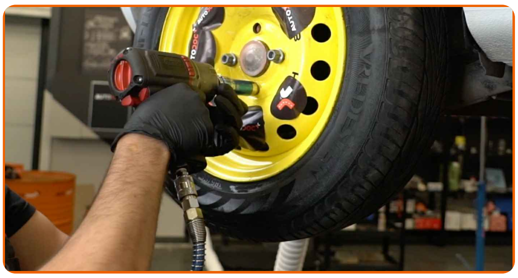
33 Install the wheel.



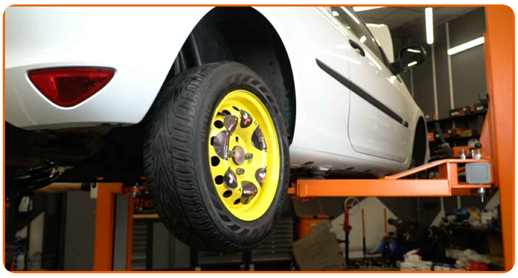
Replacement: coil springs – Renault Clio 3. Tip:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

34 Screw in the wheel bolts. Use wheel impact socket #17.



35 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 105 Nm torque.



36 Remove the jacks and chocks.

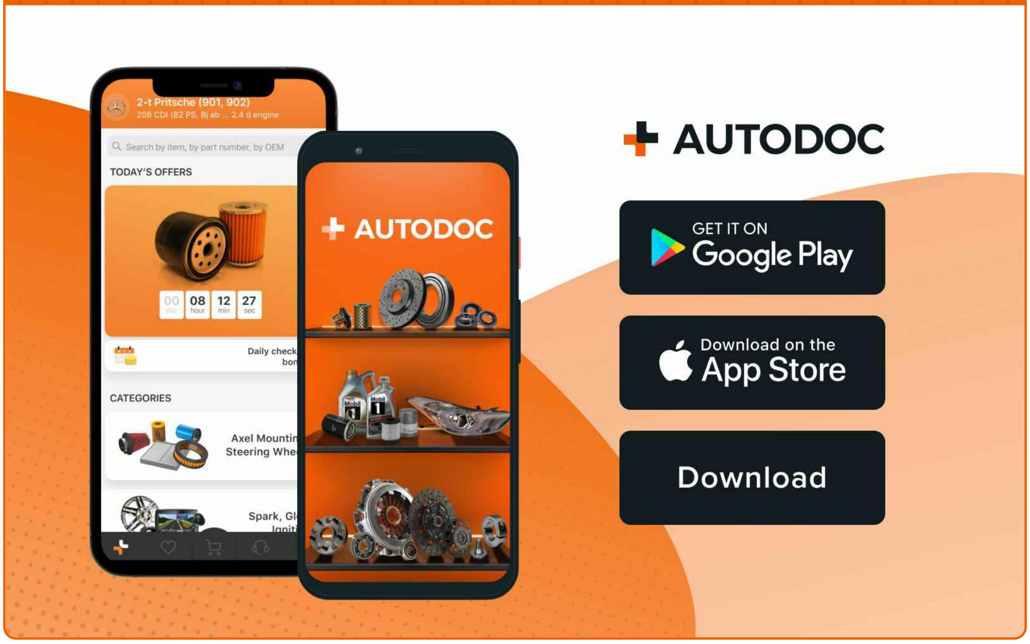


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